

Addendum

hp StorageWorks NAS 1200s Installation Guide

Product Version: 1

This addendum applies only to the following document:

HP StorageWorks NAS 1200s Installation Guide
[351698-001 \(September 2003\)](#)

An addendum is comprised of two parts:

- **Pen-and-ink changes**—provides instructions for locating specific text and for either deleting text, replacing text with new text, or adding new text at a specific location.
- **Page additions**—identifies where to add a page at a specific place in the document and recommends how to attach the replacement pages.

Note: If the changes within this addendum are not incorporated into the specified documents and then used, potential problems might arise from using obsolete information.

Pen-and-ink changes

For each document, incorporate the required change listed in [Table 1](#).

Table 1: Pen-and-ink changes

For Document...	On page...	Under Section...	Make this Change...
351698-001	2	Copyright	UNIX® is a registered trademark of The Open Group.
351698-001	20	Configuring the NAS 1200s	Remove step 3, "Configure the NAS 1200s device using Chapter 3 of this guide."

Page additions

Insert the following sheets after page 36 of the *HP StorageWorks NAS 1200s Installation Guide*.

Note: Consider securing this sheet into the document by using tape on the inside edge.

Page Additions



Replacing a failed hard drive

Follow these steps to install the hot-pluggable hard drive into the system:

1. Remove the NAS 1200s front bezel.
 - a. Locate the two bezel latches found on the side of the bezel. Pull the latches outward.
 - b. Pull the front bezel away from the unit.
2. Remove a hard drive from the disk enclosure before installing a new hard drive.
 - a. Press the ejector button and pivot the lever to full open position.
 - b. Pull the drive from the disk enclosure.
3. Slide the replacement drive into the disk enclosure.
4. The ejector lever must be in the full open position while installing to ensure a correct latch. When the drive has been fully inserted, close the ejector lever.
5. With the system powered on, open Logical Disk Manager (LDM) and follow these steps to reactivate the disk.
 - a. Open the Run applet from the Start menu and type `diskmgmt.msc`.
 - b. After the failed drive is replaced in the NAS 1200s, the disk is detected in LDM as *Unknown* and must be initialized. If the disk is already detected as a Basic disk, proceed to step 5c. Right-click the Unknown disk and select **Write Signature**.
 - c. The new hard disk is now detected as a *Basic* disk. Upgrade the disk to *Dynamic* by right-clicking the disk and selecting **Upgrade to Dynamic Disk** as shown in [Figure 8](#).

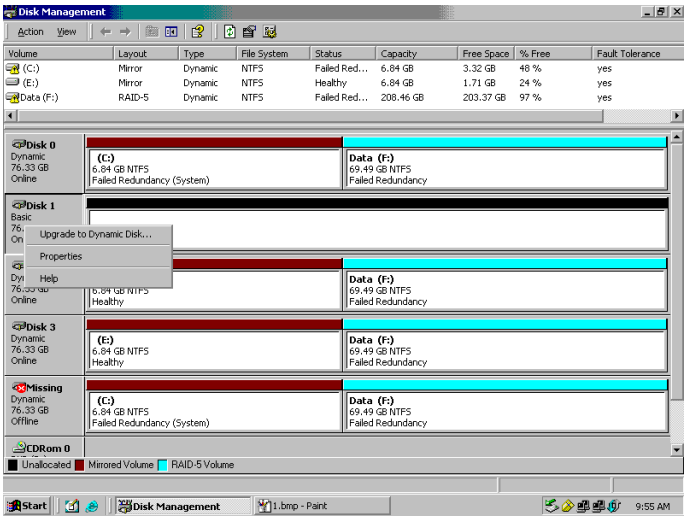


Figure 8: Disk Management screen

Ensure the appropriate disk is selected when the Upgrade to Dynamic Disk dialog box is displayed.

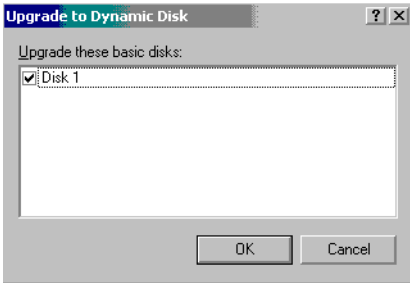


Figure 9: Upgrade to Dynamic Disk dialog box

- d. Remove the mirror on the Missing disk. Right-click the Operating System Partition, C: in this example, on the Missing disk and select **Remove Mirror**. In the Remove Mirror dialog box, select the Missing disk and click **Remove Mirror** as shown in [Figure 10](#).

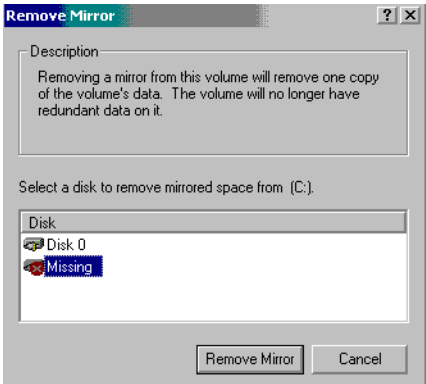


Figure 10: Remove Mirror dialog box

- e. The Mirror should now be removed from the Missing disk as show in [Figure 11](#).

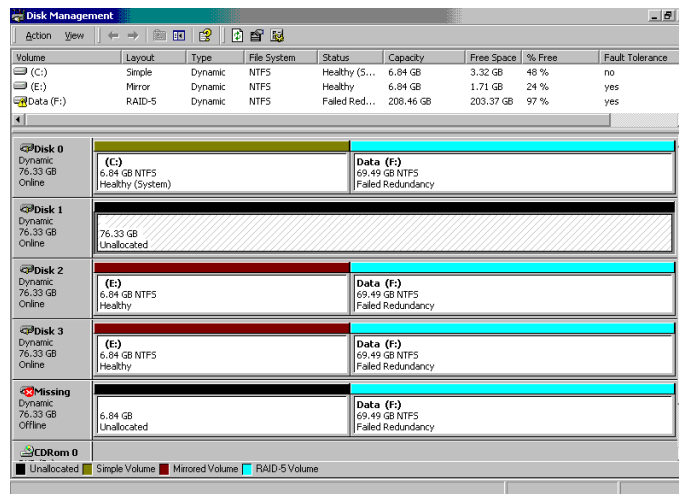


Figure 11: Mirror removed from Missing disk

- f. Recreate the Mirror on the new disk. Right-click the Volume, C: on Disk 0 in this example, and select **Add Mirror** as shown in [Figure 12](#).

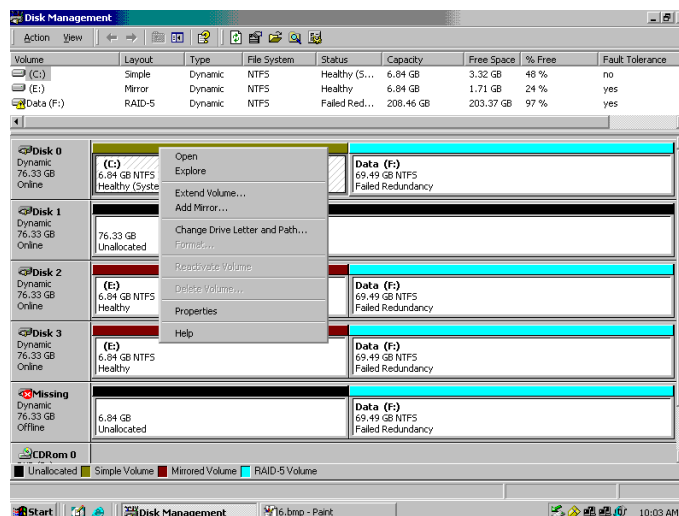


Figure 12: Select Add Mirror

- g. In the Add Mirror dialog box, select the new disk, Disk 1 in this example, to be added into the mirror as shown in [Figure 13](#).

Note: If the Disk Management dialog box is displayed regarding making changes to your *boot.ini* file, click OK to ignore and continue.

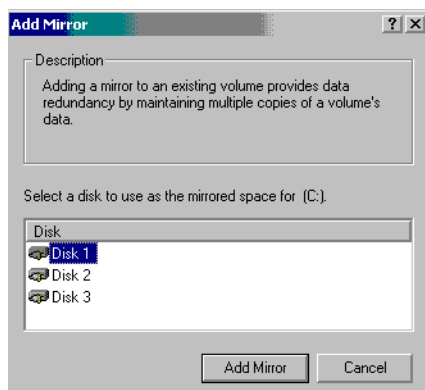


Figure 13: Add Mirror dialog box

- h. Repair the data volume. Right-click the data volume and select Repair Volume as shown in Figure 14. Select the new disk, Disk 1 in this example, in the Repair RAID-5 Volume dialog box as show in Figure 15.

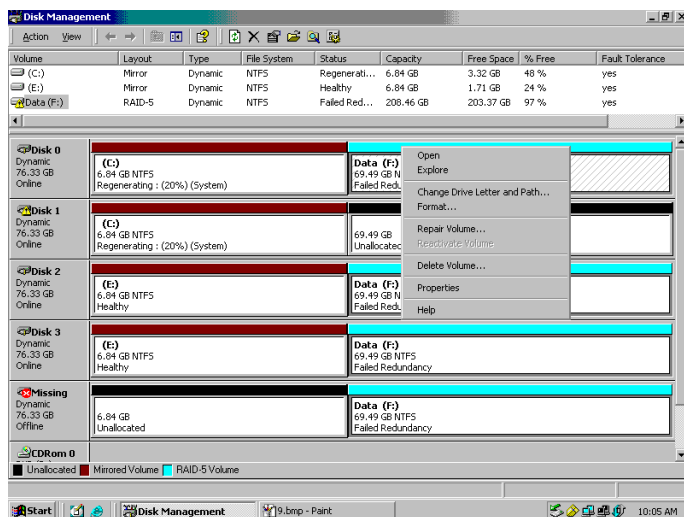


Figure 14: Selecting Repair Volume

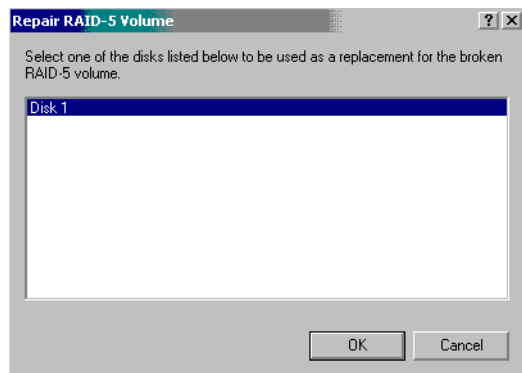


Figure 15: Repair RAID-5 Volume dialog box

- i. After this procedure, the drives will need time to regenerate.
- j. Do not shut down or restart the system until the Mirroring of C: or E: is complete. The system can be shut down while the Data volume is still regenerating, but will have to be restarted once the system is running. To do this, right-click the new disk, Disk 1 in this example, and select Reactivate Disk, as shown in [Figure 16](#).

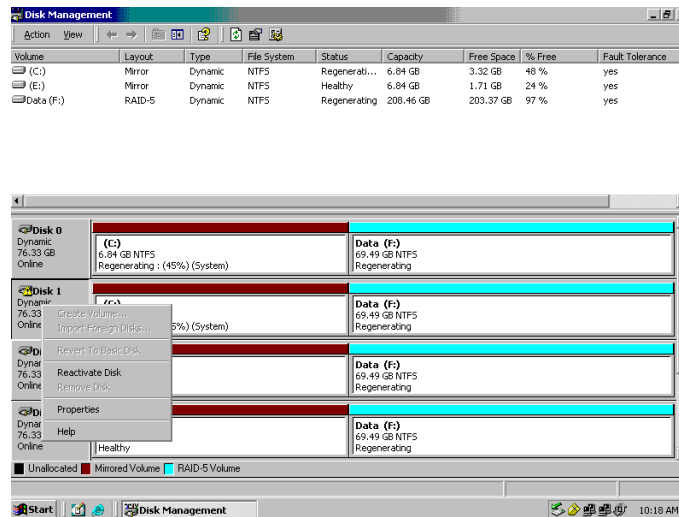


Figure 16: Selecting Reactive Disk

- k. After the drives are repaired and the system has been rebooted, right-click the Missing disk and select **Remove Disk** if it is still being displayed in the **Disk Management MMC**.